

Converting Colors

$Y_{xy}(100.0000, 0.3912, 0.3663)$

Have a look what the booklet for
Yxy(100.0000, 0.3912, 0.3663)
contains.

Yxy(87.6114, 0.3503, 0.3721)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.6114, 0.3503, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0C5
RGB	255, 240, 197
RGB Percent	100%, 94%, 77%
CMY	0.0000, 0.0588, 0.2276
CMYK	0.00, 0.06, 0.23, 0.00
HSL	44°, 100%, 89%
HSV	44°, 23%, 100%
XYZ	82.4786, 87.6114, 65.3613
YIQ	239.5830, 22.7430, -10.1930

Conversions

Conversions Part 2

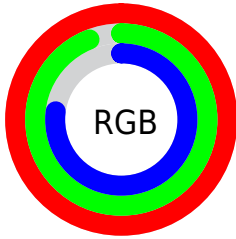
Format	Color
R_{YB}	217, 255, 197
Decimal	16773317
CIE Lab	95.00, -1.52, 22.66
CIE LCh	95, 22.712, 93.849
Yxy	87.6114, 0.3503, 0.3721
Android (android.graphics.Color)	4294963397 (0xFFFFF0C5)
YUV	239.5830, -20.9934, 13.5207
Hunter-Lab	93.6010, -6.5124, 24.1187

Details

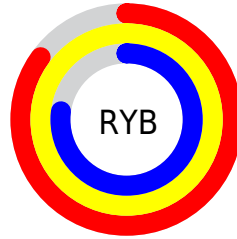
The Yxy color **87.6114, 0.3503, 0.3721** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.1491, 0.2752, 0.2818**, and the grayscale version is **86.9460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **48.2699, 0.3586, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **82.7317, 0.3687, 0.3916**, and if you desaturate by 10%, it is **92.8313, 0.3329, 0.3527**.

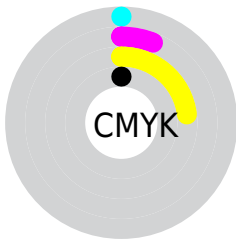
Distribution



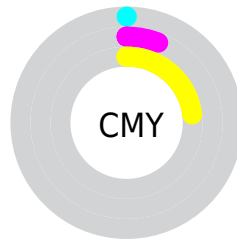
- Red (100%)
- Green (94%)
- Blue (77%)



- Red (85%)
- Yellow (100%)
- Blue (77%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6114, 0.3503, 0.3721 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 87.6114, 0.3503, 0.3721 by changing the saturation by 10% instead.

 87.6114, 0.3503,
0.3721

 87.6114, 0.3503,
0.3721

520.2298, 0.3336,
0.3528

 66.0013, 0.3540,
0.3763


144.0160, 0.3446,
0.3655

 48.2734, 0.3584,
0.3815


179.5793, 0.3424,
0.3630

 34.0435, 0.3638,
0.3879


220.5625, 0.3404,
0.3607

 22.9270, 0.3708,
0.3960

267.3499, 0.3387,
0.3587

 14.5396, 0.3797,
0.4065

320.3259, 0.3372,
0.3570

 8.4969, 0.3917,
0.4209

379.8750, 0.3359,

 4.4145, 0.4084,

0.3554

0.4410

446.3815, 0.3347,
0.3541

■ 1.9080, 0.4512,
0.4913

■ 0.5532, 0.4690,
0.5310

■ 87.6114, 0.3503,
0.3721

■ 87.6114, 0.3503,
0.3721

■ 82.7317, 0.3687,
0.3916

■ 92.8313, 0.3329,
0.3527

■ 78.1783, 0.3879,
0.4106

■ 98.3997, 0.3169,
0.3340

■ 73.9397, 0.4071,
0.4281

100.0000, 0.3127,
0.3290

■ 70.0026, 0.4256,
0.4429

■ 66.3519, 0.4425,
0.4541

■ 62.9707, 0.4570,
0.4607

■ 59.8386, 0.4684,
0.4624

■ 57.7060, 0.4750,
0.4610

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6114, 0.3628, 0.3587



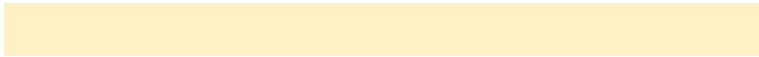
87.6114, 0.3503, 0.3721



87.6114, 0.3279, 0.3739

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6114, 0.3503, 0.3721



87.6114, 0.2664, 0.3163



87.6114, 0.3219, 0.2989

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



87.6114, 0.3503, 0.3721



66.1491, 0.2752, 0.2818

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6114, 0.2961, 0.2881



87.6114, 0.3503, 0.3721



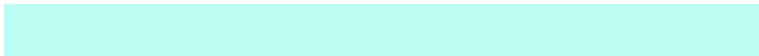
87.6114, 0.2649, 0.2970

Square

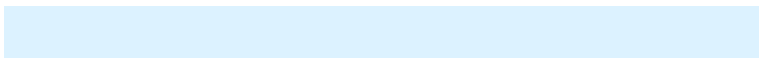
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6114, 0.3503, 0.3721



87.6114, 0.2798, 0.3405



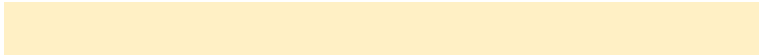
87.6114, 0.2755, 0.2871



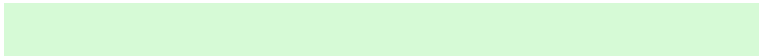
87.6114, 0.3461, 0.3170

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.6114, 0.3503, 0.3721



87.6114, 0.3107, 0.3675



87.6114, 0.2755, 0.2871



87.6114, 0.3131, 0.2943

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



87.6122, 0.3503, 0.3721



95.9960, 0.3235, 0.3418



65.9496, 0.3474, 0.3132



20.4749, 0.3245, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6122, 0.3503, 0.3721



85.5027, 0.3580, 0.3804



94.3307, 0.3382, 0.3878



20.2495, 0.3276, 0.3465



30.4068, 0.4739, 0.4619



3.1371, 0.4663, 0.4680

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



66.1491, 0.2752, 0.2818



60.8342, 0.2675, 0.2717



60.9095, 0.2832, 0.2665



18.1405, 0.2979, 0.3108



6.0038, 0.1584, 0.0902



0.7520, 0.1642, 0.1112

Previews

White Background



This preview shows how the Yxy color 87.6114, 0.3503, 0.3721 looks on a white background.

Color Contrast Check

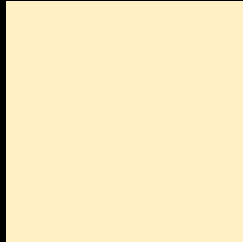
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 87.6114, 0.3503, 0.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

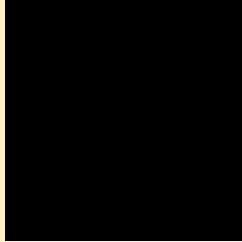
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6114, 0.3503, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 87.6114, 0.3503, 0.3721.



This preview shows how white text looks on a background with the Yxy color 87.6114, 0.3503, 0.3721.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87.6114, 0.3503, 0.3721

Protanopia

87.6114, 0.3503, 0.3721

Deuteranopia

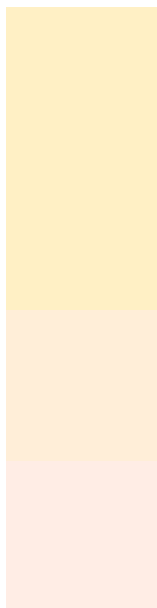
87.3744, 0.3312, 0.3389



Tritanopia

87.3921, 0.3186, 0.3174

Trichromacy



Original Color

87.6114, 0.3503, 0.3721

Protanomaly

87.6114, 0.3503, 0.3721

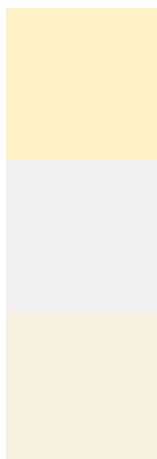
Deuteranomaly

87.3669, 0.3382, 0.3509

Tritanomaly

87.4855, 0.3299, 0.3369

Monochromacy



Original Color

87.6114, 0.3503, 0.3721

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.1145, 0.3260, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6114, 0.3503, 0.3721 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 240, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 197)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 240, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 197) }
```

Border

The CSS property to change the border of an element to Yxy 87.6114, 0.3503, 0.3721 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 240, 197) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 240, 197) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 240, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6114, 0.3503, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 197) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
240, 197) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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